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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1-12 (canceled)

Claim 13 (currently amended): ~~A structure of a resistance welded part according to Claim 12, A structure of a resistance welded part comprising:~~

a first metallic member comprising iron or an alloy containing iron;

a second metallic member comprising copper or an alloy containing copper;

the first and second metallic members being joined together by:

1) forming a nickel film on at least one surface of the first and second metallic members;

2) allowing the first metallic member to butt against the second metallic member via the nickel film; and

3) melting a part of each of the first and second metallic members and at least a part of the nickel film by flowing electric currents through the first and second metallic members to generate heat based on contact resistance between the first and second metallic members, thereby joining the first metallic member to the second metallic member so that a first alloy layer containing nickel, copper and iron is formed adjacent the first metallic member at the interface between the first and second metallic members and a second alloy layer containing nickel and copper is formed adjacent the second metallic member at the interface between the first and second metallic members; wherein

the nickel film is formed by plating; and

the nickel film is formed with a thickness of about 0.5 μm to about 5.0 μm .

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Claim 14 (currently amended): ~~A structure of a resistance welded part according to Claim 11, A structure of a resistance welded part comprising:~~

a first metallic member comprising iron or an alloy containing iron;
a second metallic member comprising copper or an alloy containing copper;
the first and second metallic members being joined together by:

1) forming a nickel film on at least one surface of the first and second metallic members;

2) allowing the first metallic member to butt against the second metallic member via the nickel film; and

3) melting a part of each of the first and second metallic members and at least a part of the nickel film by flowing electric currents through the first and second metallic members to generate heat based on contact resistance between the first and second metallic members, thereby joining the first metallic member to the second metallic member so that a first alloy layer containing nickel, copper and iron is formed adjacent the first metallic member at the interface between the first and second metallic members and a second alloy layer containing nickel and copper is formed adjacent the second metallic member at the interface between the first and second metallic members; wherein

the nickel film is formed with a thickness of about 0.5 μm to about 5.0 μm .

Claims 15 and 16 (canceled).

Claim 17 (previously presented): A structure of a resistance welded part according to Claim 13, wherein the nickel film is formed on the surface of the first metallic member and wherein a tin or silver film is formed on the nickel film before the welding operation.

Claim 18 (previously presented): A structure of a resistance welded part according to Claim 14, wherein the nickel film is formed on the surface of the first

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metallic member and wherein a tin or silver film is formed on the nickel film before the welding operation.

Claims 19-21 (canceled).

Claim 22 (new): An electronic component comprising:
two cap-shaped terminal members including iron or an iron-containing alloy;
a central conductor including copper or a copper-containing alloy; and
an element having a through hole for receiving the central conductor; wherein
inner surfaces of the cap-shaped terminal members are opposed to respective
end surfaces of the central conductor and joined thereto by resistance welding;
a first alloy layer containing nickel, copper and iron is formed at the cap-shaped
terminal side of an interface between each of the cap-shaped terminals and the central
conductor;
a second alloy layer containing nickel and copper is formed at the central
conductor side of said interface;
a nickel film is formed on each of the surfaces of the cap-shaped terminal
member excluding portions on which the first alloy layers are formed; and
a silver film is formed on each of the nickel films.

Claim 23 (new): The electronic component according to claim 22, wherein the
first and second alloy layers have a total thickness of about 0.5 μm to about 5.0 μm .